



# O-Beat



Vol. 51

September 2001

No. 9

## Bylaw Question / Change?

### Motion to Amend the Bylaws (Please answer questionnaire on page 5)

At the August meeting of the PPRAA Rick Brown KØSU presented a motion to the membership to allow the club meetings to be held on a night other than the second Wednesday of the month as is now specified in the club bylaws.

The current bylaws read as follows concerning regular monthly meetings:

*Section 2. Meetings. Regular monthly meetings of the association shall be held on the second Wednesday of each month at a time and location specified by the board. One association picnic meeting each year shall be held during one of the summer months at a time and location specified by the board. Said picnic may be in addition to or in lieu of a regular association meeting as directed by the board. Additional meetings may be held for such special occasions as the association may desire providing at least 96 hours notice is given to all members of record.*

Rick Brown moved that Section 2 of the bylaws be changed to read as follows:

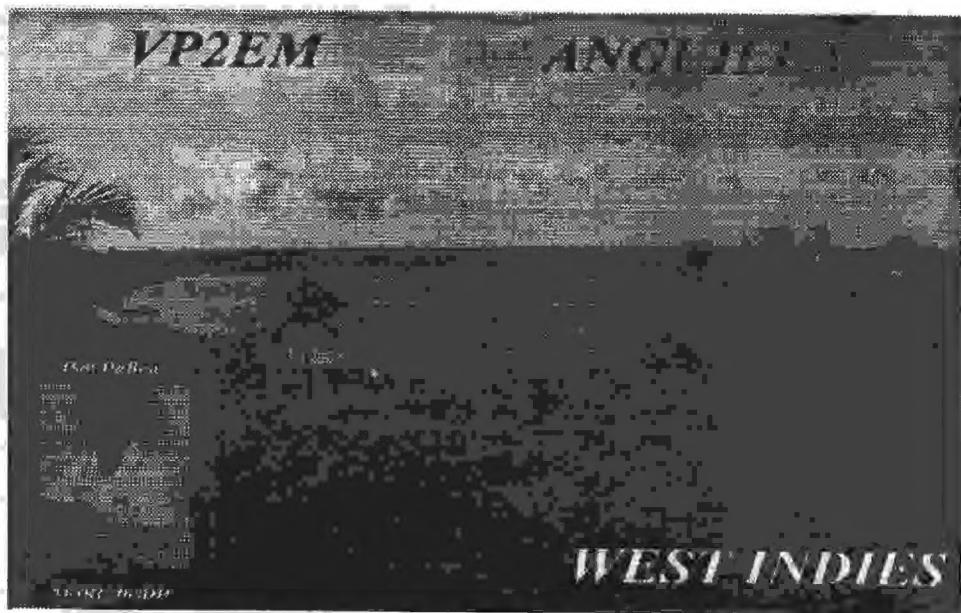
*Section 2. Meetings. Regular monthly meetings of the association shall be held each month at a time and location specified by the board. One association picnic meeting each year shall be held during one of the summer months at a time and location specified by the board. Said picnic may be in addition to or in lieu of a regular association meeting as directed by the board. Additional meetings may be held for such special occasions as the association may desire providing at least 96*

*hours notice is given to all members of record.*  
Please note that the only change is to the first sentence of this section of the bylaws. This motion should be discussed and voted upon at the September meeting of the PPRAA.

### September Program on Dxpeditions, by Don Dubon N6JRL

The program at this month's club meeting should be an interesting program. Don N6JRL is going to talk about some of his experiences on expeditions he's been on in recent years. He's made quite a few friends on some of the islands in the Caribbean, and led many a pile-up as well.

You'll remember Don as the guy that introduces himself at the club meetings with several callsigns, like the VP2EM that is shown on his QSL card below. We hope you join us for a look at a side of ham radio rarely demonstrated at our club meetings.



Sept Program is on Dxpeditions of Don Dubon N6JRL

**Meetings** Our monthly meetings are normally held on the 2nd Wednesday of each month at 7 pm at Mount Calvary Lutheran Church, 1318 N. Circle Drive, about 1/2 way between Platte Ave and Constitution Ave on N. Circle. Our Annual meeting is in October. Check the web site for any changes.

#### Regular License Exam Sessions

PPRAA ARRL test sessions on the 2nd Saturday of even numbered months at 0900 at the Denver Technical College, 3245 International Cr, across from Memorial Park. Contact Erik KGØXE for details.

Examinees need to bring (1) \$10, preferably a check or money order payable to ARRL/VE; (2) picture ID; (3) the signed original and a copy of your current amateur radio license and CSCEs you have (we keep the copies); and (4) a pen, pencil, and calculator if needed. Memory calculators will be checked.

**PPRAA Web Page** See it at <http://www.qsl.net/ppraa/>. Thanks to Rick Brown KØSU, our webmaster and reflector maintainer.

#### Get on the PPRAA E-mail Reflector

Stay on top of new or short-fused developments. Send e-mail to [majordomo@qth.net](mailto:majordomo@qth.net); within the body type "subscribe ppraanet".

**PPRAA Simplex Net** All amateurs are invited to join us on Thursday evenings at 1900 on 146.58 MHz simplex for our club net. Get the latest club and regional happenings!

Officers and Directors				
*President	Sid White	K4ARM	495-4147	k4arm@aol.net
*Vice-President	Rick Brown	KØSU	531-9423	k0su@arrl.net
Secretary	Mike Allen	NØMIK	594-4896	n0mik@arrl.net
Treasurer	Ron Deutsch	NKØP	593-8352	deutschrd@aol.com
*Board Member	Rhoda Anderson	KB2BZY	634-7168	wv7t@aol.com
Board Member	Jerry Verduft	ADØA	634-8066	verduftj@earthlink.net
Board Member	Tom McDaniel	NØNTX	570-1465	n0ntx@amsat.org
Past President	Mike Anderson	WVTT	634-7168	wv7t@aol.com
*Board Member & Ø-Beat Editor	Rob Roller	N7LV	282-0204	n7lv@amsat.org

\* Indicates this Director is completing the second year of a two-year term

## Committee Chairs & Other Contacts

Activity	(vacant – volunteer desperately needed !!!)		
Auditing	Kate Ellis	KCØEGJ	550-0285
Asset	Mike Stansberry	KØTER	636-1290
Historian	Roger Eslick	NØVR	272-9036
Interference	Bill Petty	NØNJX	532-1439
Membership	Les Borst	KCØNC	634-3995
Programs	Rick Brown	KØSU	531-9423
Publicity	Rick Brown	KØSU	531-9423
Public Service	Mike Stansberry	KØTER	636-1290
Harmfest	Bob "Rails" Ryals	KIØGF	265-9950
Technical Education	Linda Hedges	KBØRKW	683-7828
VE Testing	Erik Mugele	KGØXE	278-4363
Ø-Beat	Rob Roller	N7LV	282-0204
AMSAT Coordinator	Tom McDaniel	NØNTX	570-1465
ARES EC	Wes Wilson	KØHBZ	687-8758
ARES Liaison	Mike Stansberry	KØTER	636-1290
CCARC Liaison	Moe Pierce	WBØRTF	550-0406
RACES Officer	Tony Dal Lago	KC4VMB	575-8400

## Upcoming Club Programs

Oct. ..... Officer/Board Elections, Bylaws review  
Nov. ....



**Articles for the Ø-Beat** Deadline for articles or ads for the October issue is Sep 24. Submit articles by e-mail, US Mail, telephone or in person to the editor. Editor reserves right to correct for readability, grammar, spelling, punctuation and length.

**Nonprofit Organization** The PPRAA is a federal 501(c)(3) nonprofit organization and welcomes all contributions. Your contributions/ donations may be tax-deductible.

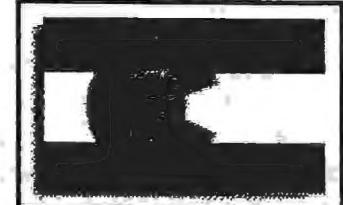
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## Club and Local News

### **Colorado Gets New County** de N7LV Rob Roller

For all of you county hunters out there, we're getting a new county this year! Effective November 15, 2001, the City and County of Broomfield will officially come into existence. Currently, the city of Broomfield spreads across four counties. After the effective date, Broomfield will be both its own city and county.



### **2 Meter DX Opening?** de WØRW Paul Signorelli

*[Ed: This opening occurred in mid August, but just goes to show that these things can happen unexpectedly. Listen around – you may be surprised what you can hear!] There was a good 2 meter opening to the southwest last night around 8pm MDT. I was able to work K4PJ on a 146.76 repeater in Tennessee, W4OZK in Huntsville AL, and KC5FIX in Arkansas on 146.52 FM direct from the west side of Pikes Peak, knife edging over the top. I talked to some other station on 147.015 (repeater) in TN. Needless to say, TV DX and FM broadcast DX was very good too. Lots of activity on 2 Meter SSB too.*

### **QRP Afield** de WØRW Paul Signorelli

This is an event for everyone to get out and have fun! QRP Afield is the 'granddaddy' of the outdoor QRP events, so let's all get out and enjoy the great fall season. Pick your favorite mountain, seashore, park, ... wherever, but join in the fun! Scoring is set up to encourage portable operation (after all, it is QRP Afield!), but all are welcome to participate. Portable means not using a fixed antenna or indoor permanent station, and using batteries, solar or other non-mains power. Specifics for this year's contest are given below and on the NEQRP web page at:

<http://www.qsl.net/wq1rp>

Date: Sept 15 & 16 (Saturday and Sunday); Time: 1 PM EDT (1700Z) Saturday to 1 PM EDT (1700Z) Sunday.

Scoring will be based on your choice of any 8 hrs of operation (need not be a single 8 hr period) in this 24 hr period. QRP: 5 watts or less (all modes). Modes: CW, SSB, AM, PSK, other digital, (i.e., all modes). Contact/Mode: Work any station once per mode per band. Freqs: All bands, except WARC bands, including HF, VHF, UHF, etc. Standard QRP frequencies are recommended within each band (or generally accepted frequencies for those modes for which there are no specific QRP frequencies). Exchange: RST, Name, State/Province/Country, power or NE QRP #.

Scoring: Non-portable operations: Multiply number of QSO's (in 8 hrs) by 1. Portable operation: Multiply number of QSO's (in 8 hrs) by 2. 25 points will be added to the final score for working WQ1RP at least once within the contest time (likely). Multi-Club Stations not permitted. QRP stations may work QRO stations for credit (counts as one QSO each), however, score submissions are expected only from QRP stations. E-mail total score with contest log and any comments/photos concerning your setup, location, experiences, etc. no later than 15 October, to: [K1CL@arrl.net](mailto:K1CL@arrl.net) or mail your entry to: Chuck Ludinsky, K1CL, 6 Pracing Rd, Chelmsford, MA 01824-1922

### **Help Needed for Jamboree on the Air** de KBØPPM Dan Scott

I would like to offer partial or full merit badges classes during JOTA this year in radio, electronics, weather and space exploration. To see what is required for the merit badges, web site



<http://www.meritbadge.com> has information on each badge. Please contact me if you think you would be interested in helping on a

badge. You do not have to teach badges in their entirety, partials are fine. A merit badge counselor will need to know how to do the entire badge just in case the scout wants to finish at a later date. To become a merit badge counselor is simply just filling out a form and turning it in.

**Annual Picnic Turnout Low**  
de N7LV Rob Roller

Although I got to the picnic a little later than most people, it appeared to me that the attendance at this year's picnic was down a bit from past picnics. I don't know if a head count was taken, but I'd guess that only about 30 or so folks showed up. The food was decent, and the company was good, just not enough of it, in my opinion. Maybe a bunch of folks came and went before I got there. I'd guess that people just a lot of other things going on this time. Well, we'll have another one next year. Maybe we'll have a better turnout next year. Keep your ears open! And thanks, Rhoda, for bringing it all together this time. I did enjoy it!

**Elections Coming Up Rapidly!**  
de N7LV Rob Roller

Only one month to go before we rotate in a new batch of club officers and board members. Board members serve for two years. Officers are also board members, and their one-year term is served concurrently with their 2-year board term. Our annual meeting is each October, and at this meeting we elect our officers. The board is responsible for providing a list of

candidates. If you're interested in any position, officer or director, please contact any of the board members to be added to the list of those running.

At the last board meeting the board began to build its list of candidates. So far, we have, per the board minutes, the following:

"Rick KØSU reported that 1) Bob KBØB would like to run for a board position; 2) Rick KØSU is willing to run for President; and 3) that Mike WVTT would also like to run for a board position."

If you have a desire to help steer this club into the 21<sup>st</sup> century please contact the board.

**PPRAA Members Take 1<sup>st</sup> Place**  
de N7LV Rob Roller

Mike Anderson WV7T and John Roth NØQJS worked hard together to nail down the first place multi-operator award in the CW Sweepstakes for the Colorado section. A copy of the certificate is included below. Congratulations, guys!

*Thanks to Roger Foust KE6ZOT for helping with this (and next) month's Ø-Beat. While I'm out of town, he's taking care of getting this to the printer!*

**THE AMERICAN RADIO RELAY LEAGUE**

**SUPERSTAKES AWARD**

This Certifies That Station

**WV7T**

(NØQJS)

Has Achieved

**FIRST PLACE, MULTIOP, CW  
COLORADO SECTION**

In The

**2000 ARRL NOVEMBER SWEEPSTAKES**



The recent discussions regarding a meeting night change, club station, and a possible relocation of the meeting site has produced some productive discussion. At our last meeting, the Board of Directors decided to send a questionnaire to the membership to obtain *your* direct input on these subjects. In all honesty, there are pros and cons in any possible scenario. Other than that during the Lenten season, the PPRAA will be required to change either its location or night, I can see little reason for changing our present meeting location except for the addition of a club station.

Items 8a and 8b of the questionnaire invite your suggestions for possible meeting locations. Consider the cost (\$50 per month maximum) the centrality of the location, parking, and the size of the facility (need to be able to seat up to 60 members and guests). Also consider the amenities (kitchen privileges, tables and chairs which can be moved and set to our needs, sound system, acoustics, space for presentations, etc.), and ease of access (sign-in not required). It should also be noted that being a 501 (c) 3-status non-profit organization would help.

Please take the time to complete the questionnaire and return it by e-mail, U.S. Mail, or, best of all, bring it to the September meeting. Make sure *your* opinions are known on these important issues.

de Sid, K4ARM

## PPRAA MEETING SITE SURVEY -- PLEASE CIRCLE YOUR PREFERENCE

Name and Call-sign of Member: \_\_\_\_\_

1. I feel that the PPRAA should consider changing its monthly meeting location:  
Yes / No / No Preference
2. I feel that the PPRAA should consider changing its monthly meeting night from Wednesday to:  
Sunday / Monday / Tuesday / Thursday / Friday / Saturday / No Preference
3. I feel that the PPRAA should consider having a Club Station:  
Yes / No / No Preference
4. I would prefer a PPRAA meeting site at a:  
Church / Business Location / Public/Civic Location / No Preference
5. I would prefer a PPRAA meeting location that would allow for a Club Station:  
Yes / No / No Preference
6. I feel that the PPRAA should change its monthly meeting night to allow for a Club Station:  
Yes / No / No Preference
7. I feel that the PPRAA should change its monthly meeting location if it will allow for a Club Station:  
Yes / No / No Preference
- 8a. My suggestion for a new meeting location is:  
\_\_\_\_\_  
\_\_\_\_\_

Contact: \_\_\_\_\_

- 8b. I am willing to speak to the contact person to arrange a meeting with the PPRAA Board of Directors.  
Yes / No
9. I feel that the PPRAA club station status, and the monthly meeting location and night should remain the same:  
Yes / No / No Preference

Mail to: Sid White, K4ARM, PPRAA President, 1420 North Gate Rd., Colorado Springs, CO 80921-3025 or e-mail: k4arm@arrl.net

## Public Service & Emergency Communications

The PPRAA is an ARRL Special Services Club, but it is not an emergency services club itself. The PPRAA supports all amateur radio involvement in public service and emergency communications in any way it can, including reporting activities happening in the region. These columns are based on available knowledge, and the opinions expressed are not necessarily the opinions of RACES, ARES, Skywarn or any other organization, or their leadership. Logos used with permission.

### RACES



<http://www.qsl.net/epcraces/>

VHF Net Tuesdays at 1930 on 147.345/448.1 MHz  
CMRG repeater

Tony Dal Lago KC4VMB, RACES Officer

RACES members were treated to a very informative presentation about the new 800 MHz trunked radio system now in use by a number of public safety agencies in COS. Unfortunately it ran a little long, so the GPS portion was postponed. Thanks to Rick McMorran NØVLF for the demo. He told us of an orange button on each radio that, when pressed, sends an emergency signal to the dispatcher. This clears a channel for a possible emergency. We had a little excitement when this button was inadvertently "tested" by a RACES member; fortunately Mark informed the dispatcher that we were merely training, and no emergency existed. The Sheriff's picnic also took place this past month. Several sheriff's emergency vehicles were available for inspection and deputies were there to answer questions. Food was served by the deputies to all volunteers.

### ARES



<http://www.qsl.net/ppares/>

VHF Net Tuesdays at 1900 on 146.97 MHz  
PPFMA repeater

Wes Wilson KØHBZ, Emergency Coordinator

Another public service season winding down. Just a few more to go. Fortunately no major disasters this year, but that's more the reason not to become too complacent. Continue to join in on the training sessions on the Tues night nets. Check the calendar at the back of the Ø-Beat for the remaining public service events that we know of. We also want to have those of you that have not updated your information recently to do so. Without it, we don't have good availability information on you, and you risk not being called during an actual emergency callup. Check the web page roster to identify if you're current or not. Almost 1/3 of those registered do not have current information on file.

## 800 MHz System Gives Public Safety Lots of Capabilities; Complaints Still Exist on Many Systems

I don't want to get in the habit of writing about scanning every month, but I thought I'd get in one more article since we just heard about these radios at the last RACES meeting. The new system is quite sophisticated. Some may say a little too sophisticated. But whatever. Trunking does provide a number of enhancements over conventional radio systems. Trunking is a way that many users can share a limited number of channels, resulting in a more efficient use of the spectrum. Rather than radios (or users) be assigned to frequencies, they're instead assigned to talk groups. One talk group might be assigned to city utilities, another to street maintenance, four to city PD (one for each district, for example), four to county sheriff, two for medical, four for fire. Users normally communicate with other users in their talk group. In an emergency, a talk group could be activated for the emergency, and multiple agencies could participate in that group. This eliminates the problem of agencies not being able to communicate with each other. Supervisors may share a special talk group, preventing patrolmen from listening in on the supervisor's discussions. Each radio is programmed to participate in certain talk groups. Radios can be locked out digitally if a radio is lost or stolen, is somehow is causing interference.

As far as what frequencies are in use, well, think of them as channels. One frequency, or channel, is designated the control frequency  $f_0$ . Each radio is capable of operating on repeater pair  $f_0$ , and is also capable of operating on any of the other freqs in the system (let's say there are 19 more,  $f_1$  thru  $f_{19}$ ). A central computer identifies the actual freq used as the control channel. When no one is talking, all radios are receiving on the control freq  $c_0$ . (Even though there is no voice going on, there are digital transmissions occurring nearly all the time.) Let's make up a freq. On Monday,  $c_0$  is 867.0 MHz. (Tomorrow the  $c_0$  might be assigned to any of the other 19 freqs

in the system, e.g., 867.05 MHz.) When a user wants to talk (let's say the police), he presses the PTT, which sends a digital signal to the controller on  $c_0$ . The controller determines which talk group he's from, and transmits a digital signal on  $c_0$  to all radios in that talk group. That digital signal tells each radio to tune to one of the other 19 freqs not in use at the moment ( $f_1$ , for example). The first radio then switches to  $f_1$  and other radios in the talk group then receive the transmission on  $f_1$ . When the radio is done transmitting, the radios all switch back to the control channel  $c_0$ . When an officer replies, the controller again assigns a freq as before. If a talk group is using  $f_1$  and a second radio (let's say fire dept) needs to transmit, its talk group may be assigned to  $f_2$ . If yet a third radio (utilities, for example) needs to talk, its talk group may be assigned to  $f_3$ . The system should be sized such that the probability of the maximum number of users that need to talk at any one moment is less than or equal to the number of frequencies (minus 1 for the  $c_0$ ) available in the system.

Anyway, there's a lot of capability built in to this digital system for controlling how the frequencies are used, and who can listen to what. The voice signals are also digitally encoded, but they're not encrypted. So that means that eventually, scanner manufacturers will be producing scanners capable of decoding the digital signals; they're already available to follow the trunking signals. For now, we can't monitor, but maybe in a couple of years....

As with any radio system, there are dead spots, and this new system has some of its own. But I'm sure the old system did too. They just might be in different locations now. Other cities are still experiencing problems with their systems, such as Los Angeles with problems communicating from the helicopters. For some reason they are having a lot of problems which prevents helicopters from communicating with police on the ground.

There are a lot of web sites with much info on trunked systems. Try [www.trunkedradio.net](http://www.trunkedradio.net) or check out the Motorola tutorial at [www.motorola-wls.com/CW\\_ACS002/cbt/course.htm](http://www.motorola-wls.com/CW_ACS002/cbt/course.htm)

### **Never Used the Internet? Now You Can... via Ham Radio! de N7LV Rob Roller**

Normally, when you think of talking to someone via radio, you think of each person having a radio, and the signals pass through the atmosphere from one radio to another. You can extend range by inserting a repeater in between. Your signal is relayed, again through the atmosphere, to the other radio. So your range is the range of the repeater or the direct path between you and the callee. Enter the internet. What if you could extend your repeater's range by hooking it in to the internet? Theoretically you'd then have world-wide coverage! This time the path isn't through the atmosphere, but through the internet.

Many of you have already heard of the Internet Radio Linking Project, or the IRLP. This four year old project was begun by David Cameron VE7LTD to allow people on one repeater to communicate with people on another, geographically distant repeater. Like from CO to AK. Or CO to PA. There are over 150 nodes in North America. Two are in CO: one in Grand Junction on 449.3 (WA4HND) and one in Denver on 145.34 (NØPSR).

The node manager must have a permanent internet connection, a link radio, and a computer (100 MHz or faster), with the appropriate S/W and H/W, including the RedHat LINUX

operating system. The link radio provides the link between the repeater and the manager's computer.

Currently, to set up a new node, you need to coordinate with the IRLP project, as they have the design on the circuit boards required, and they are only allowing new nodes to be set up with their boards, due to problems with "outsider" boards. You can purchase the boards and other required "stuff" for about \$120.

I have never used the system yet, but there are instructions on the IRLP web site ([www.irlp.net](http://www.irlp.net)). To use the system, you need to be in range of one of the repeaters linked to IRLP. Access is via a touchtone (TT) code, which is published for each node. (For Denver, it's #335). As near as I can tell, to connect to a distant node, you just transmit the TT code for that machine, and make a call, either to a specific station or as a CQ call. So if I were in Denver and wanted to talk to a long-lost buddy in Las Vegas, I think I would just enter the code for W7AOR (#321), and my signal would come out on the 449.725 repeater in Vegas. I think! Like I said, I've never done this before.

I would be interested in hearing from some of you that have used this system, and correct any errors in this article. Drop me a line!



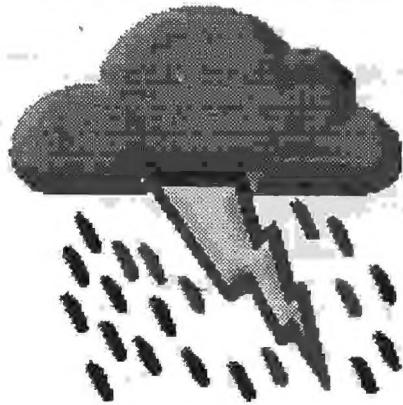
## Articles & Tech Talk

### **Weather Nets for More Than Just the NWS**

*de KØPF Chris Kelly*

Hello. I'm Chris Kelly KØPF of Loveland. I wanted to send both the Pueblo Hams and the Pikes Peak [FM Association] my thanks for something you may not know happened. You may recall that June 20 was a very active severe weather night. Tornadoes and heavy hail pounded DIA in a storm that moved south across the Black Forest region and Elbert County. Near the town of Elbert is a Boy Scout summer camp. That night, in a fairly remote part of that camp, I was directly under that storm with 24 scouts and 8 adult leaders.

We had watched the gathering storms since mid-afternoon, but at about sunset we received word that tornadoes had been spotted about 10 miles north of us. We gathered our scouts, prepared with rain gear and day-packs, under our temporary shelter, and briefed everyone on our plans for seeking protection in a nearby low area in case tornadoes came closer.



You can imagine the scene with very dark skies, rain starting to fall, huddled under a 10x20 ft tarp awning with a hissing propane lantern providing minimal comfort in a worrisome time. The younger scouts, eyes wide with concern, were partnered with older scouts and adult leaders as we tried to assess the danger and determine the best response. There was no storm-proof shelter nearby.

Enter the ham radio. My son KØPFT and I had brought several radios with us to camp, and we quickly got three of them into action. The first was programmed for the Scout Camp VHF frequency to monitor for the storm's progress at various points around the camp. The second was programmed for the National Weather Service NOAA Weather Radio

at 162 MHz to hear their announcements. The third radio was programmed for the Pikes Peak repeater on 146.970, on which the Weather Net was operating, including information directly from the Pueblo weather radar.

Among our adult leaders was a former US Air Force meteorologist who was able to blend these data with local observations to understand our situation. As the storm passed overhead, we had lightning, large hail and heavy rain, and while the scene was tense, the good and steady flow of news from the Weather Net provided important information and frankly, comfort, for that small group out in the woods. We were not able to check into the net, perhaps because the repeater was using PL tones we did not know about. Nevertheless, that night the weather net was a valuable assistant to us in helping us understand the weather situation, and to let even the youngest scouts know that we were not as isolated as it seemed.

After passage of the cell, radar data indicated that the storm was moving into Calhan. This meant that the cell had passed directly over us, since the earlier report of tornados was in Kiowa, and we were located directly on the line between these two towns. The hail stopped, then the rain, and we were able to send the scouts off to their tents by about 10:30 PM, still excited, but much less worried than earlier.

Several adults remarked that they were amazed at the coverage and capabilities of ham radio. It was clear to them that while we are called "amateurs", the operations of the Severe Weather Net and the information on that net are professional caliber.

As the evening calmed, we were able to watch a spectacular lightning display off to the south, which, due to the heavy, low clouds was a totally silent show. It was one of the most unusual and memorable nights of my life.

I want to thank the volunteers who run this net. You may never know how many people are out there listening and using the data provided. Your service is NOT just to the National Weather Service, and ham radio in its finest tradition is still providing public service through these nets.

## Club Business

### ***General Meeting Minutes***

*de NØMIK Mike Allen, Secretary*



The August 9<sup>th</sup> meeting was called to order at 7:03 PM. Forty-seven (47) members and guests were in attendance. After introductions of members and guests, a motion to accept last month's minutes passed unanimously and Ron NKØP gave the Treasurer's report. Committee reports began with Rick KØSU reviewing the programs for the coming months. September's program will be Don N6JRL talking about his Dxpeditions, and in October, the election of new officers will be held in lieu of a program. Moe, WBØRTF began the announcements by mentioning the 11:30 Lunch Bunch meeting on Fridays at the Hometown Buffet located in the Mall of the Bluffs on Austin Bluffs Parkway. Rob N7LV said he'd need help getting the *Ø-Beat* out this month, and Roger KE6ZOT volunteered his assistance. Sid K4ARM gave us the details of the club picnic to be held 12 August on the grounds of the Air Force Academy. Mike WV7T said he has openings this fall for tutoring in all license levels as well as in CW. This month's Hammy award went to Rick KØSU for his all around efforts in ham radio, both in and outside the club. The meeting then moved to old business, and a recap by Sid K4ARM of a proposal to change the by laws to allow a change in meeting nights. There was much discussion, most of it centered on the potential of a club station and the ramifications of moving the meeting site as well as the possible change of meeting nights. One point that was agreed upon by all was the necessity of publishing the potential rewording of the by laws in the *Ø-Beat*. At the close of the discussion, Sid K4ARM said the proposed by laws change would be published in the next *Ø-Beat*. So that a vote could be taken at the next general membership meeting.

After the break and door prize raffle, Mike Manes W5VSI of Edge of Space Sciences (EOSS) presented a very interesting program on the EOSS program, covering some of their activities and accomplishments. The meeting was adjourned at 9:25 PM. *Submitted by Mike Allen NØMIK, Secretary*

### ***Board Meeting Minutes***

*de NØMIK Mike Allen, Secretary*

*[The location for the Sept board meeting is TBD.]*

The August 12, 2001 PPRAA Board of Directors meeting was called to order at 1:25 PM by President Sid White K4ARM at the Annual PPRAA picnic. Board members in attendance were Sid K4ARM, Rick KØSU, Ron, NKØP, Rhoda KB2BZY, Jerry ADØA, Tom NØNTX, Rob N7LV, Mike WV7T, with visitors Moe WBØRTF, Rosie WAØMNL, Joanie KCØGMI, Jaclyn KCØJTP, and Roger KE6ZOT (proxy for Mike NØMIK, absent). The first order of business was a review of the motion for bylaw changes discussed at the last club meeting. The board appreciated the lively discussion and generally positive response from the club members. Rick will include the motion to change the bylaws in the next *-Beat*. In a different discussion, Rick will also publish a request for ideas from the general PPRAA membership regarding whether there is a general consensus that the club meeting location should be moved, and to where, or what other arrangements should be made. Additionally, it was suggested that the bylaws also change allowing important club information be disseminated using the reflector (currently not specified). Jerry asked whether Mt. Calvary might have a spare room that they could allocate to PPRAA for a secure club station. Ron wondered if there was a possibility of a corporate sponsorship for a club station. Jerry also inquired regarding the club members' demographics and if that information were current; the response was that the data was at least ten years old, but could be updated if necessary. Additionally, Sid and Jerry would like to ask the club if they want a club station, with Ron desiring to poll the club concerning a separate account directly for club equipment. Sid suggested a questionnaire be generated outlining questions regarding 1) the move (Y/N and options); 2) should the club have a station (Y/N and options); and 3) should the club seek a corporate sponsor (Y/N and options). Rick KØSU reported that 1) Bob KBØB would like to run for a board position; 2) Rick KØSU is willing to run for President; and 3) that Mike WV7T would also like to run for a board position. A discussion ensued

regarding bylaw requirements and definitions for board member versus officers. Board of Directors should also be part of committees, and member positions as assigned proxies would also be useful. The Board would like to notify the club that nominations for officers and board members are being accepted. Jerry ADØA will be out of town for the next club meeting, but would like to hold a board position. He is also prepared to lead another code class if required. Ron NKØP noted that PPRAA is an ARRL 50 Year Membership Club and would like to present a plaque to the club from a Division representative. Field day food receipts from MARC for shared food costs have been received (\$197.54) and will be paid. Costs of PPRAA Annual picnic slightly exceed the allocated amount and it was moved by Rick KØSU seconded by Tom NØNTX, approved unanimously, to fully reimburse Rhoda KB2BZY for the extra expenses. Tom NØNTX had nothing to report. Rob N7LV noted his absence for the next club and board meetings due to travel. Roger KE6ZOT will be his proxy for submission to the printers of the

*-Beat*, and next Board of Directors meeting. Mike WV7T noted he would be starting a code class and license upgrade training to any level on August 22<sup>nd</sup>. Those interested should contact Mike at [WV7T@aol.com](mailto:WV7T@aol.com) or call. A general discussion concerning Bob KIØGF starting the planning for the PPRAA swapfest earlier next year was presented. Possibly starting the planning meetings in October, and the ticket sales the second week in December. Rick KØSU moved the meeting be adjourned, Sid K4ARM seconded and the motion carried unanimously. Meeting adjourned at 2:40PM on 12 August 2001. Submitted by Roger Foust KE6ZOT for Mike Allen NØMIK, Secretary

### PPRAA Congratulates ...

... Jerry VerDuft ADØA on his recent appointment in the National Traffic System. Jerry received his NTS appointment certificate as the Transcontinental Corps (TCC) Director for Cycle 4 in the Pacific Area. It was presented to him by Pacific Area Chair Rob Griffin K6YR in Denver. Jerry, Mike Stansberry KØTER (Colorado Section Traffic Manager), and Jeff Ryan NØWPA (Asst. Section Manager) were all pictured in the September QST on page 85 at an NTS area meeting.

### ARRL Division Directors Unopposed de N7LV Rob Roller

This year, Walt Stinson WØCP will be running unopposed for the position of ARRL Rocky Mountain Division Director, as will his incumbent vice director, Warren G. "Rev" Morton WS7W.

### Treasurer's Report de NKØP Ron Deutsch, Treasurer

If your membership expires in Sep, pay:  
 Full: \$5.00 Family: \$6.00 Associate: \$4.00  
 Senior: \$3.33 Sr Family: \$4.00  
 to extend until Dec 2001

New or renewals received after Jan 2001 must be prorated to end on December 31. See the treasurer for details.

### Membership Committee Report de KCØNC Les Borst

#### Please welcome these New Members

BARRY COOK .....	WØMOG
DAVID MARSHALL .....	ABØJY
STEVE RAPP .....	WBØQGI
DOUGLAS WOLFF .....	KE6TWH

#### Members who need to see the treasurer

JOHN BEARDSLEY .....	KCØJUB
JACKIE BIERDEMAN .....	KBØZGI
MATT COLE .....	KCØJUA
ERIC COLE .....	KCØJTV
RON DURHAM .....	KCØJTF
MATT E. KNIERIEM .....	KCØJTT
MATT D. KNIERIEM .....	KCØJTS
KATHY MITCHELL .....	KCØJTY
JEFF MITCHELL .....	KCØJTZ
JERRY SLOAN .....	KCØJTX
MARTY STILL .....	KCØJTU
PHIL TAYLOR .....	KCØJTW
MATT VANBENSCHOTEN .....	KCØJTI

#### Goodbye to the following members.

JIM AMBURN .....	NØTUI
SHIRLEY ATKINSON .....	NØXXI
JOHN HASLING .....	KCØHQK
STEVE SCHARSCHMIDT .....	KØCI
BASCOM TILLOTSON JR. ....	KBØRD

#### Total Number of Members

208

# Pikes Peak Region Ham Radio Event Calendar

September / October 2001 — Please see Page 2 for Points of Contact

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 MARC VE Test PSE Balloon Classic
2 PSE Balloon Classic	3 PSE Balloon Classic	4	5	6	7	8
9 PSE Emily Griffith Bike Ride	10	11	12 PPRAA Mtg	13	14 Lunch Bunch	15 QRP to the Field
16 QRP to the Field	17 Board Meeting	18	19 MARC Mtg	20 RACES Mtg	21	22
23 BARCFest	24 ZB Deadline	25	26	27	28	29
30	1	2	3	4	5	6
7	8	9	10 PPRAA Mtg	11	12 Lunch Bunch	13 VE Testing
14	15 Board Meeting	16	17 MARC Mtg	18 RACES Mtg	9	20 JOTA RMRL Hamfest
21	22	23	24	25	26	27
28	29 ZB Deadline	30	31			

PSE = Public Service Event - Contact Mike Stansberry KØTER for details

## Membership Application for the Pikes Peak Radio Amateur Association, Inc.

P.O. Box 16521, Colorado Springs, CO 80935-6521

Date: \_\_\_\_\_

New Member     Renewal

In which activities would you like to participate?

Name: \_\_\_\_\_

Field Day   

Address: \_\_\_\_\_

Demonstrations   

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Nets or round tables   

Call: \_\_\_\_\_ Class: N T + G A E Phone: \_\_\_\_\_

Organize activities   

Mbr of ARRL?  Yes     No    E-mail: \_\_\_\_\_

Teach ham classes   

Additional Family Members to Join/Renew:

Full Member   

Name: \_\_\_\_\_ Call: \_\_\_\_\_ Class: \_\_\_\_\_ ARRL? \_\_\_\_\_

Family Membership   

Name: \_\_\_\_\_ Call: \_\_\_\_\_ Class: \_\_\_\_\_ ARRL? \_\_\_\_\_

Over 65   

Name: \_\_\_\_\_ Call: \_\_\_\_\_ Class: \_\_\_\_\_ ARRL? \_\_\_\_\_

Over 65 Family   

Would you like to receive Ø-Beat electronically via e-mail in PDF format instead of a printed copy?  Yes     No

Associate   

Ø-Beat Only   

ARRL Dues Incl'd    \$34:

Donation to Club: \_\_\_\_\_

Total Enclosed: \_\_\_\_\_

**MAKE ALL CHECKS PAYABLE**

TO "PPRAA"

Circle your interests ⇒ HF / V/UHF / FM / SSB / Digital / DX / Contests / Technical / Hardware / Other

**Renew your ARRL membership through the PPRAA!** Send your ARRL renewal form and your check for the amount due to the ARRL to the PPRAA. Make the check payable to the PPRAA. The PPRAA will forward your renewal form to the ARRL. The PPRAA keeps \$2 as a donation or commission, and pays the difference to the ARRL.

New and renewing members must submit a completed application form along with your check to the Treasurer.

Please Type or Print Clearly!

\* Due to a transitional period in the dues structure, see Treasurer's column for current amount if you're renewing !!  
(If you don't want to cut up your Ø-Beat you can get an app off of the club's web site.)

# RadioActivities!

*Lunch Bunch*



The next **Lunch Bunch** is Sep 14 at Home Town Buffet (Austin Bluffs & N Academy), 1130-1300. (*Always the Friday following the club meeting.*) We need a volunteer to continue coordinating this lunch !!

**Hamfest Horizon**

- **Sep 23:** Boulder ARC BARCFest, Boulder Co. Fairgrounds, Longmont. Contact [barc50@arrl.net](mailto:barc50@arrl.net), or 303-380-6540.
  - **Oct 20:** Rocky Mountain Radio League hamfest, Jefferson Co. Fairgrounds, Golden. Contact Ron Rose NØMQJ, 303-985-8692. [n0mqj@arrl.net](mailto:n0mqj@arrl.net)

*Dits & Bits*

- **For Sale:** Icom IC-706 Mk II, 160 – 2 meters, Remote head, CD cable, manual, hand mic. \$800. Mike WV7T, 634-7168, wv7t@aol.com
  - **Help Needed:** Someone with a 1963 callbook to look up an old call for me. Mike KØTER, 636-1290, k0ter@arrl.net

**Jess Miley KØTAA  
WILL BE CLOSED DURING OCTOBER**

**719 W 7th, Florence, CO. 81226**

**719-784-3040**

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**Excellent Tech @ \$35 per hour.**

**9-5 Tues-Fri, 9-1 Sat.**

**Closed Sun & Mon.**

**After hours available by phone contact.**

**Pikes Peak Radio Amateur Association, Inc.**  
**P.O. Box 16521**  
**Colorado Springs, CO 80935-6521 USA**

**First Class Mail**

To: